

CLAIMS

What I claim as my invention is -

1. A process which comprises combining wireless mobile communication services to
5 build a more complex wireless mobile communication service, wherein:

a more complex wireless mobile communication service, termed herein a compound wireless mobile communication service, is enacted as a sequence of the combined services.

2. The process of claim 1, further comprising:

a combination of fundamental wireless mobile communication services (fundamental
10 wireless mobile communication services is defined in the BACKGROUND OF THE INVENTION section).

3. The process of claim 1, further comprising:

a combination of compound wireless mobile communication services.

4. The process of claim 1, further comprising:

15 a combination of fundamental wireless mobile communication services and a combination of compound wireless mobile communication services.

5. The processes of claim 2, claim 3, or claim 4, further comprising:

the use of other services, for convenience termed "facility services", in the building
process to assist in achieving the intended objectives of a compound wireless mobile
20 communication service;

moreover, the facility services are not in themselves wireless mobile communication services, but essential for properly executing a compound wireless mobile communication service.

6. The processes of claim 1, wherein:

25 a compound wireless mobile communication service may have as its builder one or more of the following -

a wireless mobile communication subscriber;

a wireless mobile communication user;

a wireless mobile communication service provider;

30 a wireless mobile communication equipment manufacturer;

a wireless mobile communication equipment supplier;
a software manufacturer;
a software supplier;
a third party applications provider;
a third party service provider.

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7. The processes of claim 1, wherein the following methods apply:

a compound wireless mobile communication service may be built using computer facilities and then compounded and downloaded onto a wireless mobile terminal;

the computer facilities include software to assist in the building of compound wireless mobile communication services;

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the computer facilities provide graphical and/or textual images that can be selected by means of computer accessories as a computer "mouse";

the graphical and/or textual images represent wireless mobile communication services, including compound wireless mobile communication services and facility services (for convenience the term "component services" is to apply to any of the services);

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the component services are represented by named operational or functional expressions and possibly have one or more dependent parameters and possibly one or more independent parameters;

the computer facilities include an opportunity to request "help" to explain and clarify the application and use of a selected graphical and/or textual image.

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8. The methods of claim 7, wherein:

the selected graphical and/or textual images can be "dragged" to form a pictorial representation of a compound wireless mobile communication service;

the pictorial representation of a compound wireless mobile communication service may be transformed or compiled into appropriate executable software prior to wireless mobile terminal downloading, whenever a wireless mobile terminal requires this transformation or compilation.

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9. The methods of claim 7 or claim 8, inclusively, wherein:

a wireless mobile terminal itself contains facilities to build compound wireless mobile communication services.

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10. The process of claim 5, wherein:

facility services provide one or more of the following operations (or processes) in compound wireless mobile communication services -

arithmetic functions (e.g., addition, division);

5 transcendental functions (e.g., trigonometric, exponential);

assignment of values (e.g., equality);

event determination (e.g., determine if a traffic delay message exists);

equality determination (e.g., determine when a wireless mobile terminal is at a certain location);

10 inequality determination (e.g., determine if the computed travel time exceeds a specified limit);

pause compound wireless mobile communication service execution (i.e., go into an idle state for specified time duration);

15 event conditioned execution (i.e., go to a component service when a certain event occurs);

truth determination (i.e., determine if a condition or an assertion is true or false);

logical assignment (i.e., assign a true or false value to a condition or an assertion);

20 negation (i.e., reverse the logical assignment of a condition or an assertion);

conjunction (i.e., apply the logical connective "and" between a pair of conditions or between a pair of assertions);

disjunction (apply the logical connective "or" between a pair of conditions or between a pair of assertions);

25 compound assertion (i.e., form an assertion from other assertions by the use of some combination of negation, and/or conjunction, and/or disjunction);

compound condition (i.e., form a condition from other conditions by the use of some combination of negation, and/or conjunction, and/or disjunction);

30 branch on a condition (i.e., go to a component service when a certain condition exists);

display a value (e.g., show the computed travel time to a destination on a wireless mobile terminal);

announce a value (e.g., verbalize that a new travel route has been determined on a wireless mobile terminal).

5 **11.** The methods of claim 7 or claim 8, inclusively, further comprising:

A menu for selecting component services exists that provide for one or more of the following -

to incorporate any of the facility services of claim 7 into the compound wireless mobile communication service being built;

10 to incorporate any of the fundamental wireless mobile communication services made available by the wireless mobile communication service provider into the compound wireless mobile communication service being built;

to incorporate any of the compound wireless mobile communication services made available by a wireless mobile communication subscriber into the compound wireless mobile communication service being built;

15 to incorporate any of the compound wireless mobile communication services made available by a wireless mobile communication user into the compound wireless mobile communication service being built;

to incorporate any of the compound wireless mobile communication services made available by a wireless mobile communication service provider into the compound wireless mobile communication service being built;

20 to incorporate any of the compound wireless mobile communication services made available by a wireless mobile communication equipment manufacturer into the compound wireless mobile communication service being built;

25 to incorporate any of the compound wireless mobile communication services made available by a wireless mobile communication equipment supplier into the compound wireless mobile communication service being built;

to incorporate any of the compound wireless mobile communication services made available by a software manufacturer into the compound wireless mobile communication service being built;

30 to incorporate any of the compound wireless mobile communication services made available by a software manufacturer into the compound wireless mobile communication service being built;

to incorporate any of the compound wireless mobile communication services made available by a software supplier into the compound wireless mobile communication service being built;

5 to incorporate any of the compound wireless mobile communication services made available by a third party applications provider into the compound wireless mobile communication service being built;

to incorporate any of the compound wireless mobile communication services made available by a third party service provider into the compound wireless mobile communication service being built.

10 **12.** The methods of claim 7 or claim 8, inclusively, further comprising:

a menu of one or more special capabilities that achieve the following -

to draw lines with arrowheads that manifests the sequence of component services;

15 to enter alphanumeric characters when building a compound wireless mobile communication service;

to enter geometric elements as rectangles, diamonds, triangles, ellipses, etc. when building a compound wireless mobile communication service.

13. The methods of claim 7 or claim 8, inclusively, further comprising:

a menu of one or more building tools that achieve the following -

20 test a built compound wireless mobile communication service for proper performance;

evaluate the price charged by a wireless mobile service provider to execute a compound wireless mobile communication service;

25 assign an operational or functional expression to a compound wireless mobile communication service;

record and store a voice message as a value to be used in the facility service that audibly announces comments;

30 add a compound wireless mobile communication service operational or functional expression to the repertoire of component services for use to build other compound wireless mobile communication services;

save a built compound wireless mobile communication service in specified memory location;

compile a compound wireless mobile communication service for a wireless mobile terminal;

5 download a compound wireless mobile communication service to a wireless mobile terminal;

select a group of component services;

copy a selected group of component services into a temporary memory;

10 place the copied group of component services into a specified section of a compound wireless mobile communication service being built;

delete a selected group of component services;

undo changes made while building a compound wireless mobile communication service;

find a sequence of typographical characters within a component service;

15 replace one sequence of typographical characters with another sequence of typographical characters within a component service;

print the interconnection of component services for a partially or fully built compound wireless mobile communication service;

20 go to the next/previous page of a compound wireless mobile communication service, when represented by more than one page of interconnected of component services;

go to the next/previous page of the component services menu, if they are represented on more than one page;

check the spelling of words;

25 zoom in/out of a compound wireless mobile communication service displayed by an interconnection of component services;

zoom in in/out of any menu used to build a compound wireless mobile communication service;

30 scroll up up/down a page on which a compound wireless mobile communication service is displayed by an interconnection of component services;

scroll up/down a page of any menu display used to build a compound wireless mobile communication service;

minimize/maximize/close a compound wireless mobile communication service being displayed by an interconnection of component services;

5 minimize/maximize/close any menu display used to build a compound wireless mobile communication service;

open a compound wireless mobile communication service display of interconnected component services;

10 open any menu used to build a compound wireless mobile communication service;

insert a compound wireless mobile communication service display of interconnected component services into a compound wireless mobile communication service being built;

15 justify or align typographical characters left/center/right in a displayed component service;

select size and/or font of typographical characters in a displayed component service;

highlight typographical characters with a selected color in a displayed component service;

20 select line widths of geometric shapes in a displayed compound wireless mobile communication service being built;

fill geometric shapes with a selected color in a displayed compound wireless mobile communication service being built;

25 erase selected colors and/or geometric shapes in a displayed compound wireless mobile communication service being built.

14. A subject matter, regarded as this invention, was originally described in a provisional patent having the application number 60/454,412.